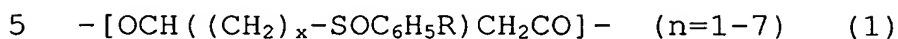
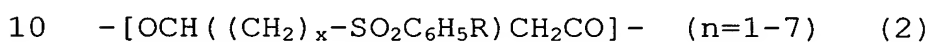


ABSTRACT

A polyhydroxyalkanoate copolymer comprises one kind of unit of

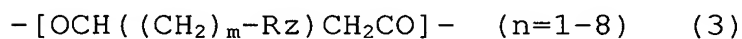


(wherein R is any one of H, halogen, CN, NO₂, COOR', SO₂R'' (R' is any one of H, Na, K, CH₃ and C₂H₅; R'' is any one of OH, ONa, OK, halogen, OCH₃ and OC₂H₅), CH₃, C₂H₅, C₃H₇, (CH₃)₂-CH and (CH₃)₃-C) and

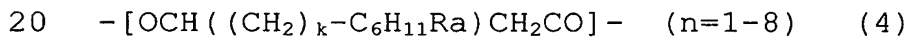


(wherein R is any one of H, halogen, CN, NO₂, COO R', SO₂R'' (R' is any one of H, Na, K, CH₃ and C₂H₅; R'' is any one of OH, ONa, OK, halogen, OCH₃ and OC₂H₅), CH₃, C₂H₅, C₃H₇, (CH₃)₂-CH and (CH₃)₃-C)

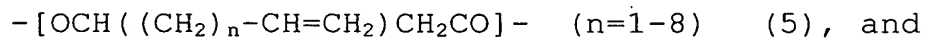
15 and at least one unit of chemical formulae (3) to (6):



(wherein Rz comprises a residue having either a phenyl structure or a thienyl structure),



(wherein R_a is any one of H, CN, NO₂, halogen, CH₃, C₂H₅, C₃H₇, CF₃, C₂F₅ and C₃F₇)



25 (wherein R_b is any one of H, Na and K).